

MD 261 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

EXISTING SIGNALS TO BE REMOVED

1a, 2a, 3a,
4a, 5a, 6a
12"/8"

7a, 8a
12"

PROPOSED LED SIGNALS

1, 2, 3, 4
12"

5, 6, 7, 8
12"

EXISTING SIGNS TO BE REMOVED

9, 14
FIRE
HOUSE
SIGNAL

10a

11, 13

16
STOP

PROPOSED SIGNS

10, 12
W2-1
(30"x30")

15, 17
R1-1
(30"x30")

NEMA PHASING

FLASHING
OPERATION

PROJECT DESCRIPTION

GENERAL
THIS PROJECT INVOLVES THE CONVERSION OF THE EXISTING FIREHOUSE SIGNAL TO AN INTERSECTION CONTROL BEACON (ICB) AT THE INTERSECTION OF MD 261 (BAYSIDE ROAD) AND THE NAVAL RESEARCH LAB.
MD 261 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN FLASHING MODE WITH FLASHING YELLOW FOR MD 261 (BAYSIDE ROAD) AND FLASHING RED FOR THE NAVAL RESEARCH LAB ENTRANCES.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET, CONTROLLER AND ASSOCIATED HARNESSES SHALL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #5 / OOTS:

District #5

Ms. Kimberly Tran
Assistant District Engineer - Traffic
Phone: 410-841-1019

Mr. Mike Huber
District Utility Engineer
Phone: 410-841-1039

Mr. John S. Mays
Assistant District Engineer - Maintenance
Phone: 410-841-1013

Mr. James Folden
Assistant District Engineer - Construction
Phone: 410-841-1031

Office Of Traffic & Safety

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

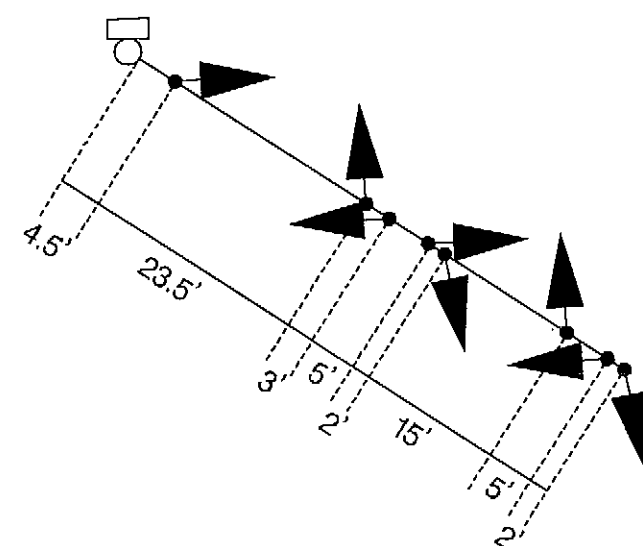
Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
410-787-7630

Mr. Edward Rodenhizer
Team Leader Signal Operations
Phone: 410-787-7650

Mr. Eugene Bailey
Team Leader Sign Operations
410-787-7670

The Power Company Representative Is:
SMCO
901 Dorcas Beach Road
P.O. Box 37
Prince Frederick, Maryland
Phone: 410-535-4400

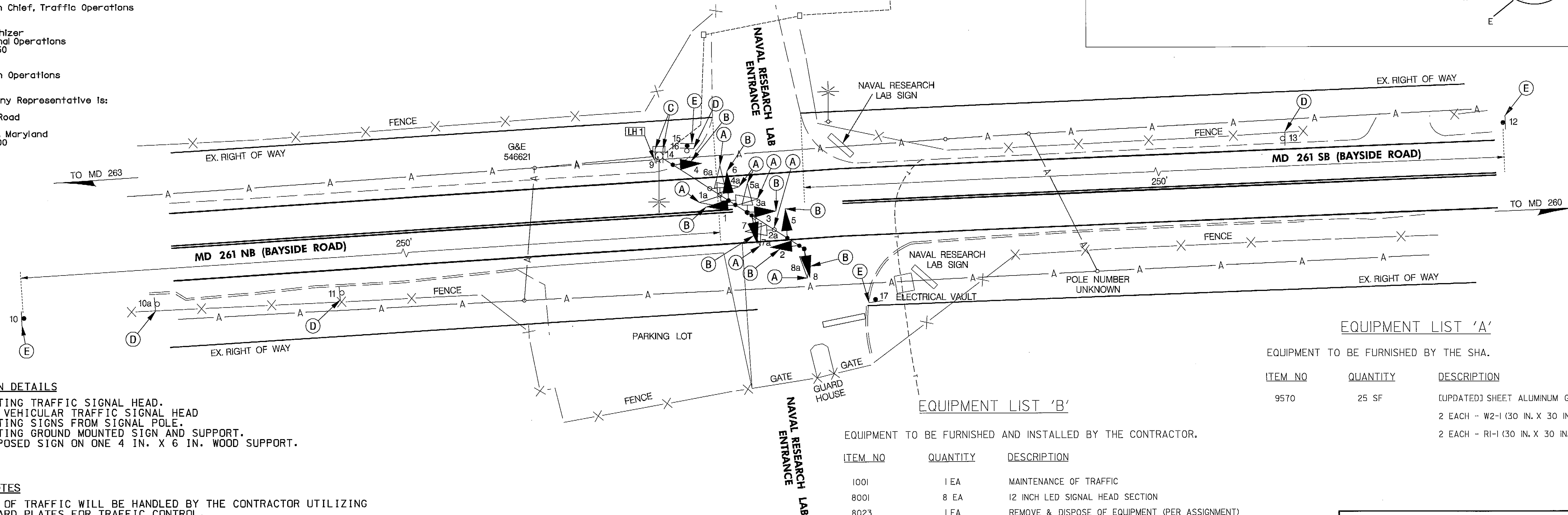
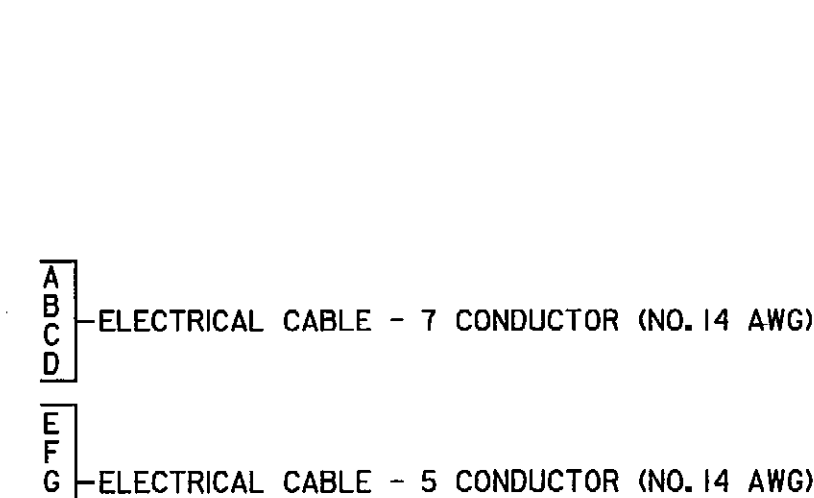
PROPOSED SIGNAL HEAD PLACEMENT



LINE HEIGHTS (LH) 1

COMM. CABLES	- 20'-6"
COMM. CABLES	- 21'-11"
GUY	- 23'-10"
POWER SERVICE TO SIGNAL	- 25'-0"

WIRING DIAGRAM



CONSTRUCTION DETAILS

- REMOVE EXISTING TRAFFIC SIGNAL HEAD.
- INSTALL LED VEHICULAR TRAFFIC SIGNAL HEAD
- REMOVE EXISTING SIGNS FROM SIGNAL POLE.
- REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
- INSTALL PROPOSED SIGN ON ONE 4 IN. X 6 IN. WOOD SUPPORT.

GENERAL NOTES

- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.

PHASE CHART	1	2	3	4	5	6	7	8	
	(Y)	(Y)	(Y)	(Y)	(R)	(R)	(R)	(R)	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	

UTILITY LEGEND			
— E — E —	ELECTRIC CABLES	— SD — SD —	STORM DRAIN
— A — A —	AERIAL CABLES	— G — G —	GAS MAIN
— T — T —	TELEPHONE CABLES	— W — W —	WATER MAIN
— F — F —	FIBER-OPTIC	— S — S —	SEWER MAIN

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8001	8 EA	12 INCH LED SIGNAL HEAD SECTION
8023	1 EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8039	65 LF	WOOD SIGN SUPPORTS UP TO 4" X 6"
8040	25 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8055	150 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8056	250 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION
NONE	ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR	

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
9570	25 SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN: 2 EACH - W2-1 (30 IN. X 30 IN.) 2 EACH - R1-1 (30 IN. X 30 IN.)

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 261 (BAYSIDE ROAD)
AT NAVAL RESEARCH LAB
RANDLE CLIFF, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 03/93 CONTRACT NO. AW-455-501-585

DESIGNED BY S.T. AHMAD/R.G. COUNTY CALVERT COUNTY
DRAWN BY B. KENT LOGMILE 04021603.62
CHECKED BY M. RUCKER TIMS NO.
F.A.P. NO. CMG-STPG-0005 (135) TOD NO.

TS NO. 3357A DRAWING SG-1 OF 1 SHEET NO. 1 OF 1

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
1. CONVERT FIREHOUSE TRAFFIC SIGNAL TO ICB
SHA NO. 006475185 TMS# 1759 05/2014
STV

PLOTTED: Friday, May 20, 2011 AT 04:30 PM
FILE: I:\PROJECTS\401428\401428_018\Drawings\TRA\p5g-P000_MD261.dgn

STV
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